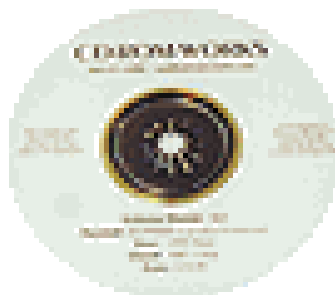




NATIONAL IMAGERY AND MAPPING AGENCY

Foundation Feature Data (FFD) Specification and Prototype Status



Bill McMahon
Army Customer Support Team (COTA)
(703) 264-3001, DSN 570-3001
mcmahonb@nima.mil



FFD Background

- **GI IPT developed FFD as the vector feature data component of Foundation Data**
- **Content and format driven by both customer and production considerations**
- **Initial FFD draft specification developed in Mar 97 by the GI IPT requirements team**
- **Initial customer feedback (Army, USMC, State) to the draft FFD specification was received and incorporated in Apr 97**



FFD Background

- **First FFD prototype (part of Foundation Data prototype) released in Aug 97 (limited distribution)**
 - Quick review by key users, program managers, Services
 - Abbreviated review period (30 days)
 - FFD prototype not specification compliant
 - Additional data content requested by reviewers
- **GI IPT disbanded in Sep-Oct 97**
- **FFD requirements and specification responsibilities assumed by COTA and SES in Oct 97**



FFD Status

- **Decision in Nov 97 to develop FFD specification as an associated specification in the consolidated VPF specification effort (in response to user comments)**
- **Associated FFD Specification completed on 2 Feb 98**
 - Document was reformatted
 - Implements the Jun 96 VPF Standard
 - Some additional data content was included
- **Pre-consolidated version of the FFD specification (Jul 97) was added to USIGS baseline (RFC N17-0003) for DCAFE (product finishing) development**



FFD Status

- **New FFD specification will be added to the DCAFE baseline with RFC E17-0004 at the 24 Feb 98 NIMA Configuration Control Board (NCCB)**
- **DCAFE factory acceptance tests will generate specification compliant FFD for prototyping in Jul 98**
- **FFD specification and prototype scheduled for SD-1 review in Jul or Aug 98**
 - **Full 90 day review period**
 - **Comment resolution TEM will be held two weeks after comments are received**
 - **RFC prepared for NCCB; RFC approval and publication**



FFD Issues

- **Timelines associated with new standards process flow?**
- **Vegetation coverage in FFD specification, but not being collected due to high costs**
 - **Exception: vegetation is being collected over Ft. Hood to generate metrics**
 - **Letter from CO to ST/DO requesting investigation of options for collecting near-global vegetation information**
 - **Stereo workstations, e.g., DE/S, SOCET Set, etc.**
 - **Multi-spectral imagery**
 - **Interferometric Synthetic Aperture Radar (IFSAR) on the Shuttle Radar Topography Mission (SRTM)**
- **FFD specification available for review now**